

**PATENT OF INVENTION****INSTITUT FRANÇAIS DU PETROLE****NON-HOMOGENEOUS ADSORBENT AND ITS USE IN DIFFUSIONAL  
SEPARATION PROCESSES****Invention of: Elsa JOLIMAITRE, Loïc ROULEAU and Olivier DUCREUX****Descriptive Abstract**

A non-homogeneous adsorbent is described, formed of a core and at least one continuous outer layer in which the core of said adsorbent has a volume adsorptive capacity representing at least 35% of the volume of the adsorbent and the outer layer has a diffusional selectivity greater than 5. The adsorbent is used in gas-separation processes or liquid-separation processes.